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# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

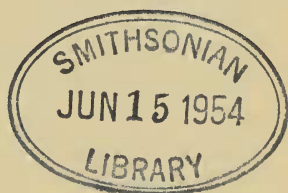
**FRANCIS HEMMING, C.M.G., C.B.E.**

Secretary to the Commission

VOLUME 3. Part 30. Pp. 401—416

## DIRECTION 1

Addition to the *Official Lists* and *Official Indexes* of  
certain scientific names and of the titles of certain books  
dealt with in *Opinions* 182 to 194



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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 1

### A. The Officers of the Commission

*Honorary Life President* : Dr. Karl Jordan (*British Museum (Natural History), Zoological Museum, Tring, Herts., England*)

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*Vice-President* : Senhor Dr. Afranio do Amaral (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis Hemming (*London, England*) (27th July 1948)

### B. The Members of the Commission

(*Arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology*)

Professor H. Boschma (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (1st January 1947)

Senor Dr. Angel Cabrera (*Eva Peron, F.C.N.G.R., Argentina*) (27th July 1948)

Mr. Francis Hemming (*London, England*) (27th July 1948) (*Secretary*)

Dr. Joseph Pearson (*Tasmania Museum, Hobart, Tasmania, Australia*) (27th July 1948)

Dr. Henning Lemche (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

Professor Teiso Esaki (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre Bonnet (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh Riley (*British Museum (Natural History) London*) (9th June 1950)

Professor Tadeusz Jaczewski (*Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*) (15th June 1950)

Professor Robert Mertens (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a. M., Germany*) (5th July 1950)

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Professor J. R. Dymond (*University of Toronto, Toronto, Canada*) (12th August 1953)

Professor J. Chester Bradley (*Cornell University, Ithaca, N. Y., U.S.A.*) (12th August 1953) (*President*)

Professor Harold E. Vokes (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*) (12th August 1953)

Professor Béla Hankó (*Békéscsaba, Hungary*) (12th August 1953)

Dr. Norman R. Stoll (*Rockefeller Institute for Medical Research, New York, N. Y., U.S.A.*) (12th August 1953)

Mr. P. C. Sylvester-Bradley (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. Holthuis (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (12th August 1953)

## DIRECTION 1

### ADDITION TO THE " OFFICIAL LISTS " AND " OFFICIAL INDEXES " OF CERTAIN SCIENTIFIC NAMES AND OF THE TITLES OF CERTAIN BOOKS DEALT WITH IN " OPINIONS " 182 TO 194

**RULING** :—(1) The under-mentioned specific names dealt with in the *Opinions* severally specified below are hereby placed on the *Official List of Specific Names in Zoology* as Names Nos. 150 to 157 respectively :— (a) *mantis* Linnaeus, 1758, as published in the combination *Cancer mantis* (specific name, by designation under the Plenary Powers, of *Squilla* Fabricius, 1787) (Class Crustacea, Order Stomatopoda) (*Opinion* 186) ; (b) *gigas* Burmeister, 1835, as published in the combination *Hypselopus gigas* (specific name type species of *Hypselopus* Burmeister, 1835) (Class Insecta, Order Hemiptera) (*Opinion* 187) (c) *arietans* Merrem (B), 1820, as published in the combination *Vipera (Echidna) arietans* (specific name of type species, by designation under the Plenary Powers, of *Bitis* Gray, 1842) (Class Reptilia, Order Squamata) (*Opinion* 188) ; (d) *noae* Linnaeus, 1758, as published in the combination *Arca noae* (specific name of type species, by designation under the Plenary Powers, of *Arca* Linnaeus, 1758) (Class Pelecypoda, Order Filibranchiata) (*Opinion* 189) ; (e) *alta* Williams (H.S.), 1890, as published in the combination *Rhynchonella alta* (Class Brachiopoda) (*Opinion* 190) ; (f) *laevigata* Bruguière, 1789, as published in the combination *Camerina laevigata* (specific name of type species of *Nummulites* Lamarck, 1801) (Class Rhizopoda, Order Foraminifera) (*Opinion* 192) ; (g) *praeceps* Parks, 1931, as published in the combination *Tetragonosaurus praeceps* (specific name of type species of *Procheneosaurus* Matthew, 1920) (Class Reptilia, Order Ornithischia) (*Opinion* 193) ; (h) *tibeticum* Griesbach, 1880, as published in the combination *Ophiceras tibeticum* (specific name of type species of *Ophiceras* Griesbach, 1880) (Class Cephalopoda, Order Ammonoidea) (*Opinion* 194).

(2) The under-mentioned generic names dealt with in the *Opinions* severally specified below are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* as Names Nos. 139 to 149 respectively :—(a) the following names suppressed under the Plenary Powers for the purposes both of the Law of Priority and of the Law of Homonymy :—(i) *Squilla* Gronovius, 1760 ; (ii) *Squilla* Gronovius, 1764 ; (iii) *Squilla* Müller (O.F.), 1776 ; (iv) *Squilla* Scopoli, 1777 ; (v) *Squilla* Fabricius (O.), 1780 ; (vi) *Squilla* Fabricius (J.C.), 1781 ; (vii) *Squilla*, any other use of, prior to Fabricius, 1787 (*Opinion* 186) ; (b) *Cobra* Laurenti, 1768, as suppressed under the Plenary Powers for the purposes of the Law of Priority but not for those of the Law of Homonymy (*Opinion* 188) ; (c) *Camerina* Bruguière, 1789, as suppressed under the Plenary Powers for the purposes of the Law of Priority but not for those of the Law of Homonymy (*Opinion* 192) ; (d) *Tetragonosaurus* Parks, 1931 (not available, because not published in accordance with the provisions of Proviso (c) to Article 25) (*Opinion* 193) ; (e) *Ophiceras* Suess, 1965, as suppressed under the Plenary Powers for the purposes both of the Law of Priority and for those of the Law of Homonymy (*Opinion* 194).

(3) The under-mentioned reputed specific name is hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* as Name No. 76 :—*alta* Calvin [about 1878], in the combination *Rhynchonella alta* (a cheironym) (*Opinion* 190).

(4) The titles of the under-mentioned works are hereby placed as Works Nos. 21 to 23 respectively on the *Official Index of Rejected and Invalid Works in Zoological Nomenclature* to the extent severally indicated below :—(a) Martini (F.H.W.) & Chemnitz (J.H.), 1769—1795, *Neues Systematisches Conchylien-Cabinet*, all new specific names and names of lower rank declared invalid (*Opinion* 184) ; (b) Bohadsch (J.B.), 1761, *De quibusdam Animalibus marinis*, suppressed for all purposes under the Plenary Powers (*Opinion* 185) ; (c) Bohadsch (J.B.), 1776,

*De quibusdam Animalibus marinis* (Leske's ed.), suppressed for all purposes under the Plenary Powers (*Opinion* 185).

## I.—INTRODUCTORY

At the beginning of 1954 Mr. Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, reviewed the action taken to give effect to the decisions in regard to further action respecting individual names adopted by the International Commission on Zoological Nomenclature at its Session held in Paris in 1948. The decisions in question included requests to the Secretary to the Commission that he:—(1) should investigate, and report upon twenty-eight individual cases of nomenclature, action on which was deferred for this purpose; (2) should prepare *Opinions* on the ninety individual cases on which decisions were taken in Paris; (3) should examine *Opinions* already rendered by the Commission with a view to the preparation of Schedules to be annexed to the *Règles* containing particulars of decisions taken by the Commission in those *Opinions* in regard to individual scientific names and the titles of individual books. By the end of 1953 the position as regards the foregoing matters was as follows:—(a) Preliminary Reports on the twenty-eight cases referred to in (1) above had been published in the *Bulletin of Zoological Nomenclature* (volume 7) in 1952; decisions had already been reached upon a number of these cases and it seemed likely that in 1954 the remainder would have reached a stage at which it would be possible to submit recommendations to the Commission. (b) The preparation of *Opinions* giving effect to the Paris decisions on individual cases had not been found possible so long as the Honorary Secretary was working in a spare-time capacity, but the situation in this matter was materially changed when in 1953 Mr. Hemming retired from the United Kingdom Civil Service and began to work for the Commission as a whole-time Honorary Secretary. In consequence, as soon as the work *Copenhagen Decisions on Zoological Nomenclature* had been delivered to the printer, it was possible in the autumn of 1953 for the Secretary to turn his attention to the preparation of the Paris *Opinions*, and by the



end of the year over seventy of these had been completed. (c) No action had, however, been taken by the end of 1953 to extract from the pre-1948 *Opinions* the material needed for the construction of the Schedules to the *Règles* referred to in (3) above. Mr. Hemming concluded, therefore, that it was desirable that a start should be made with the foregoing task.

2. The decisions taken by the Fourteenth International Congress of Zoology, Copenhagen, 1953, greatly to extend the system represented by *Official Lists* of available names and of available books and *Official Indexes* of rejected and invalid names and of rejected and invalid works (i.e., books and papers) somewhat modified the form of the Schedules needed to give effect to the decisions of the Paris (1948) Congress, for under the system inaugurated by the Paris Congress and greatly extended by the Copenhagen Congress every decision previously taken by the Commission would find its place in one or other of the *Official Lists* and *Official Indexes*. Accordingly, the task entrusted to the Secretary in this matter by the Paris Congress had become one of compiling proposals for the addition to the *Official Lists* and *Official Indexes* of entries recording decisions already taken by the Commission but not hitherto recorded in this manner.

3. At the end of the year 1953 the Commission had rendered two hundred and sixty-three (263) *Opinions* of which one hundred and ninety-four (194) had been published and the remainder—all of which embodied decisions taken in Paris in 1948—were in the press. The Rulings given in the Paris *Opinions* contained the requisite decisions for the placing of names and the titles of books on the various *Official Lists* and *Official Indexes*. In consequence, the review required was concerned only with *Opinions* 1—194. It was decided for the purpose of this review to divide these *Opinions* into two main groups: (a) *Opinions* 1 to 133, and (b) *Opinions* 134 to 194. The first one hundred and thirty-three *Opinions* were rendered at a time when it was not deemed essential to place on the *Official List of Generic Names in Zoology* every generic name which the Commission might validate or rule to be available, and when it was not customary for the Commission to cite in its *Opinions* full bibliographical references for the names dealt with. On the other hand the sixty-one *Opinions* numbered 134—194, which embodied the decisions taken by the Commission

at Lisbon in 1935 and the decisions taken after the Lisbon Session but before the Paris Session of 1948, had been compiled on principles broadly similar to those prescribed by the Paris Congress. It was evident therefore that the task of preparing proposals for the incorporation in the Schedules to be attached to the *Règles* of entries embodying the decisions taken in the first of these groups of *Opinions* would be much more laborious than that involved in relation to the second group. It was deemed desirable therefore that the prescribed review should start with the second of these groups. It was further decided that for the purpose of this review the *Opinions* concerned should be examined in the reverse order to that in which they had been published. By this means a solid block of decisions, each embodying rulings on all the matters prescribed by the Congress would be built up which would be coterminous with the decisions taken in Paris in 1948, the *Opinions* on which had been prepared in accordance with the instructions given by that Congress. The desirability of conducting the required review in the foregoing order was enhanced by the fact that the post-Lisbon *Opinions* (*Opinions* 182—194) formed part of volume 3 of the work *Opinions and Declarations* which with the publication of the first two instalments of the Paris *Opinions*, would be complete and would be in need of a Subject Index—which could not be prepared in a complete form until after the review of *Opinions* 182—194 prescribed by the Congress.

## II.—THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

4. On 27th January 1954 Mr. Hemming submitted to the International Commission a memorandum in which he recalled the decisions taken by the Paris Congress in regard to the construction of Schedules—for attachment to the *Règles*—giving particulars of decisions on individual names and on individual books announced in *Opinions* previously rendered by the Commission and explained the procedure which it was proposed should be adopted for carrying out the prescribed review of the *Opinions* in question. With this memorandum Mr. Hemming

submitted for the consideration of the Commission the proposals which in the light of his review he had prepared in relation to *Opinions* 182—194 (the post-Lisbon, but pre-Paris *Opinions*). These proposals were prepared in the form of a Draft Direction which, for the convenience of Commissioners was arranged by reference to the *Opinions* in which decisions had been taken on the names concerned. It was intended, however, that, when a decision had been given by the Commission, the subject matter of that decision should be regrouped so as to bring together the decisions taken in regard to the placing of additional entries on each of the *Official Lists* and *Official Indexes* concerned, a note being added, however, against each name of the *Opinion* to which it was related. The Draft Direction so submitted was as follows :—

#### DRAFT DIRECTION

##### Addition to the “ Official Lists ” and “ Official Indexes ” of certain scientific names and of the titles of certain books dealt with in “ Opinions ” 182 to 194

The following scientific names and titles of books dealt with in *Opinions* 182 to 194 are hereby added to the *Official List* or *Official Index* noted, below, in accordance with the General Directive issued to the International Commission by the Thirteenth International Congress of Zoology, Paris, 1948, that it should insert in the foregoing *Lists* and *Indexes* entries relating to generic and specific names and to books dealt with in *Opinions* rendered prior to the Paris Session :—

OPINION 182 : (1) The following entry is to be made in the *Official Index of Rejected and Invalid Generic Names in Zoology : Clymenia* Münster, 1832, terms for subdivisions published in, by GümbeI (C.W.) in 1863 not available as from that date as subgeneric names. The following entry is to be made in the *Official List of Generic Names in Zoology : Clymenia* Münster, 1832, terms published in the nominative plural by GümbeI (C.W.) for subdivisions of, to rank for priority as from their publication in the nominative singular by Hyatt in 1883, and the latter author is to be treated as the author of these names.<sup>1</sup>

OPINION 184 : The following entry is to be made in the *Official Index of Rejected and Invalid Works in Zoological Nomenclature : Martini* (F.H.W.) and Chemnitz (J.H.), 1769—1795, *Neues Systematisches Conchylien Cabinet*, Volumes 1—11, all new specific names and names of lower rank.<sup>2</sup>

<sup>1</sup> See Note 1. (Reproduced in para. 5.)

<sup>2</sup> See Note 3. (Reproduced in para. 5.)



OPINION 185 : The following entry is to be made in the *Official Index of Rejected and Invalid Works in Zoological Nomenclature* : Bohadsch (J.B.), 1761, *De quibusdam Animalibus marinis*.

OPINION 186 : (1) The following entries are to be made in the *Official Index of Rejected and Invalid Generic Names in Zoology* :— (a) *Squilla* Gronovius, 1760 ; (b) *Squilla* Müller (O.F.), 1776 ; (c) *Squilla* Scopoli, 1777 ; (d) *Squilla* Fabricius (O.), 1780 ; (e) *Squilla*, any other use of, prior to Fabricius (J.C.), 1787. (2) The following name is to be added to the *Official List of Specific Names in Zoology* : *mantis* Linnaeus, 1758, as published in the combination *Cancer mantis*.

OPINION 187 : The following entry is to be made in the *Official List of Specific Names in Zoology* : *gigas* Burmeister, 1835, as published in the combination *Hypselopus gigas*.

OPINION 188 : (1) The following entry is to be made in the *Official Index of Rejected and Invalid Generic Names in Zoology* : *Cobra* Laurenti, 1768. (2) The following entry is to be made in the *Official List of Specific Names in Zoology* : *arietans* Merrem (B.), 1820 as published in the combination *Vipera (Echidna) arietans*.

OPINION 189 : The following entry is to be made in the *Official List of Specific Names in Zoology* : *noae* Linnaeus, 1758, as published in the combination *Arca noae*.

OPINION 190 : (1) The following entry is to be made in the *Official Index of Rejected and Invalid Specific Names in Zoology* : *alta* Calvin, [about 1878], in the combination *Rhynchonella alta*, a cheironym. (2) The following entry is to be made in the *Official List of Specific Names in Zoology* : *alta* Williams (H.S.), 1890, as published in the combination *Rhynchonella alta*.<sup>3</sup>

OPINION 192 : (1) The following entry is to be made in the *Official Index of Rejected and Invalid Generic Names in Zoology* : *Camerina* Bruguière, 1789. (2) The following entry is to be made in the *Official List of Specific Names in Zoology* : *laevigata* Bruguière, 1789, as published in the combination *Camerina laevigata*.

OPINION 193 : (1) The following entry is to be made in the *Official List of Specific Names in Zoology* : *praeceps* Parks, 1931, as published in the combination *Tetragonosaurus praeceps* Parks, 1931. (2) The following entry is to be made in the *Official Index of Rejected and Invalid Generic Names in Zoology* : *Tetragonosaurus* Parks, 1931.

OPINION 194 : (1) The following entry is to be made in the *Official Index of Rejected and Invalid Generic Names in Zoology* : *Ophiceras*

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<sup>3</sup> See Note 4. (Reproduced in para. 5.)

Suess, 1865. (2) The following entry is to be made in the *Official List of Specific Names in Zoology*: *tibeticum* Griesbach, 1880, as published in the combination *Opiceras tibeticum*.

5. The following explanatory notes were submitted to the Commission at the same time as the Draft Direction reproduced in the immediately preceding paragraph. The purpose of these notes was twofold: (1) to explain why no action was required on certain of the *Opinions* numbered 182 to 194; (2) to draw attention to the provisional character of, or to defects in, certain of the *Opinions* concerned which called for further decisions from the Commission before the names dealt with in those *Opinions* could be placed on the appropriate *Official List* or *Official Index*:—

#### Notes annexed to Draft Direction

*Note 1*: *Opinion* 182 is incomplete in the sense that, although it deals, in part, with the generic name *Clymenia* Münster, 1832, it contains no Ruling on the question of the availability of that name. At Paris in 1948 the Commission agreed (1950, *Bull. zool. Nomencl.* 4: 355), on the suggestion of Professor H. Boschma, that the Rulings given in *Opinions* should cover the whole field and that steps should be taken to fill gaps in existing *Opinions* arising from the foregoing cause. A proposal regarding the name *Clymenia* Münster, 1832, will therefore, be submitted as soon as possible (File Z.N.(S.) 799).

*Note 2*: No action in the present context is required in regard to *Opinion* 183, which is concerned entirely with a question of the interpretation of the *Règles*.

*Note 3*: No proposal is here submitted in regard to the status of new generic names published in volumes 1—11 of Martini and Chemnitz, *Neues systematisches Conchylien-Cabinet*, for the Ruling given in *Opinion* 184 was expressly stated to be an interim Ruling, pending a decision being taken as to the interpretation of Proviso (b) to Article 25. A decision on this latter question was taken in 1948, and it will be necessary, therefore, to review the question of the status of new generic names published in the foregoing work. A proposal on this subject will, therefore, be submitted as soon as possible (File Z.N.(S.) 800).

*Note 4*: As in the case of *Opinion* 182 (see *Note 1* above), the Ruling given in *Opinion* 190 is incomplete, for it contains no decision on the status of the name *Rhynchonella* as from the date on which that name was first validly published (by Fischer de Waldheim in 1809). A

proposal on this subject will be submitted as soon as possible (File Z.N.(S.) 801).

*Note 5* : No action in the present context is required in regard to *Opinion* 191, which is concerned entirely with an interpretation of Article 25, which will appear in the revised text of the *Règles*.

### III.—THE DECISION OF THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

6. *Issue of Voting Paper V.P.(54)5* : Concurrently with the submission of the Draft Direction and the Explanatory Notes reproduced respectively in paragraphs 4 and 5 above, a Call for a Vote, numbered Voting Paper V.P.(54)5, was issued under the One-Month Rule. In this Voting Paper, each Member of the Commission was asked (1) to state whether he agreed "that, in conformity with the General Directive relating to the recording on the various *Official Lists* and *Official Indexes* of decisions in regard to particular names and particular books taken by the Commission prior to 1948, issued to the International Commission by the Thirteenth International Congress of Zoology, Paris, 1948, the entries recording such decisions taken in *Opinions* 182 to 194 specified in the Draft Direction annexed to the Statement submitted by the Secretary simultaneously with the present Voting Paper, should be made, as proposed, in the *Official Lists* and *Official Indexes* concerned", and, (2) if he did not so agree as regards any given item, to indicate the item concerned.

7. *Modification of the proposals submitted in respect of Opinions 182 and 186* : On 9th February 1954 Commissioner L. B. Holthuis addressed a letter to the Secretary containing suggestions for modifying the action proposed in Voting Paper V.P.(54)5 for the codification of the Rulings given in *Opinions* 182 (*Clymenia* Münster) and 186 (*Squilla* Fabricius). Consideration of Commissioner Holthuis' letter led the Secretary on 16th February to execute the following Minute modifying, as shown below, the proposals which he had submitted in respect of the foregoing *Opinions*. On the same day the decision so taken was notified by the Secretary to Commissioner Holthuis.

### Voting Paper V.P.(54)5 : Supplementary Minute by the Secretary

Correspondence which I have had with Commissioner Holthuis since the issue of Voting Paper V.P.(54)5 has led me to the conclusion that it would be better temporarily to defer the codification of the Ruling given in *Opinion* 182 (*Clymenia*). In addition, Commissioner Holthuis has suggested—and I agree—that it would promote clarity if a slight amplification were to be made in the measures proposed for the codification of the Ruling given in *Opinion* 186 (*Squilla*). The suggestions so made and the action proposed are explained in the following paragraphs.

(1) *Opinion* 182 : It has been suggested that it would be more convenient (a) to substitute on the *Official Index of Rejected and Invalid Generic Names in Zoology* a list of the rejected Gumbel names in place of the suggested general entry relating to these names, and (b) to defer making an entry on the *Official List of Generic Names in Zoology* until, as suggested in Note 1 submitted with the Draft Direction, a decision has been taken on the proposal, foreshadowed in that Note, for the addition of this generic name to the foregoing *Official List*. I agree that this would be a more satisfactory procedure, and I accordingly hereby withdraw the proposal submitted in Voting Paper V.P.(54)5 relating to *Opinion* 182.

(2) *Opinion* 186 : It has been pointed out that it was only because of the then existing provisions of Proviso (a) to Article 25 of the *Règles* that in this *Opinion* the name *Squilla* Fabricius, 1787, was preferred to the name *Squilla* Fabricius, 1781, a name at that time invalid because not published with an "indication". Through an oversight on my part, the name *Squilla* Fabricius, 1781, was not expressly cited for addition to the *Official Index of Rejected and Invalid Generic Names in Zoology* in the proposal submitted in Voting Paper V.P.(54)5, though it is, in fact, covered by the general proposal for the addition to that *Index* of the entry "*Squilla*, any other use of, prior to Fabricius (J.C.), 1787". It has been suggested that, since all known uses of the name *Squilla* Fabricius prior to Fabricius, 1787, are to be listed separately in this *Index*, it would be preferable if there were to be a separate entry for *Squilla* Fabricius, 1781. I fully agree with Commissioner Holthuis' suggestion on this point, for, since under the decision taken by the Commission in this *Opinion*, all uses of the generic name *Squilla* prior to *Squilla* Fabricius, 1787, have been suppressed under the Plenary Powers, the separate enumeration of *Squilla* Fabricius, 1781, adds nothing which is not comprised in that decision but on the other hand has the advantage that it forestalls any possible misunderstanding of that decision. An exactly parallel situation arises in connection with another pre-1787 usage of the name *Squilla*, namely that by Gronovius in 1764 in volume 2 of his *Zoophylacium gronovianum*, a usage which has attracted a certain amount of attention through its



having been cited by Sherborn (1902, *Index Anim.*, Pars prima : 926). It is my intention therefore, when preparing the Ruling required to give effect to the present *Direction*, to include, as a matter of drafting, a specific reference both to *Squilla* Gronovius, 1764, and to *Squilla* Fabricius, 1781.

8. *The prescribed Voting Period* : As the foregoing Voting Paper was issued under the One-Month Rule, the prescribed Voting Period closed on 5th March 1954.

9. *Particulars of the Voting on Voting Paper V.P.(54)5* : The state of the voting on Voting Paper V.P.(54)5 at the close of the prescribed Voting Period was as follows :—

(a) *Affirmative Votes had been given by the following nineteen (19) Commissioners (arranged in the order in which Votes were received)* :

Riley ; Lemche ; Vokes ; Hering ; Holthuis<sup>4</sup> ; Dymond ; Hankó ; Cabrera ; Sylvester-Bradley ; Pearson ; Hemming ; Esaki ; Boschma<sup>5</sup> ; Bonnet ; do Amaral ; Bradley (J.C.) ; Stoll ; Mertens ; Jaczewski.

(b) *Negative Votes* :

None ;

(c) No Commissioner failed to register his Vote on Voting Paper V.P.(54)5.

10. *Declaration of Result of Vote* : On 9th March 1954, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(54)5, signed a Certificate that the Votes cast were as set out in paragraph

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<sup>4</sup> See paragraph 7.

<sup>5</sup> In his Voting Paper dated 24th February 1954, Commissioner Boschma associated himself with the comment on the proposal relating to *Opinion* 182 previously made by Commissioner Holthuis.

9 above and declaring that, subject to the modifications specified in paragraph 7 above, the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

11. On 9th March 1954, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(54)5, subject to the modifications as respects *Opinions* 182 and 186 specified in the Minute by the Secretary, dated 16th February 1954, reproduced in paragraph 7 of the present *Direction*.

12. The following are the original references for the names which appear in the Ruling given in the present *Direction* :—

- alta*, *Rhynchonella*, Williams (H.S.), 1890, *Bull. geol. Soc. Amer.* **1** : 495, pl. 12, figs. 5—7  
*arietans*, *Vipera (Echidna)*, Merrem (B.), 1820, *Tent. Syst. Amph.* : 152  
*Camerina* Bruguière, 1789, *Ency. méth. (Vers)* (1) : xvi  
*Cobra* Laurenti, 1768, *Specimen medicum* : 103  
*gigas*, *Hypselopus*, Burmeister, 1835, *Handb. Ent.* **2**(1) : 329  
*laevigata*, *Camerina*, Bruguière, 1789, *Ency. méth. (Vers)* (2) : 399  
*mantis*, *Cancer*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 633  
*noae*, *Arca*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 693  
*Ophicerus* Suess, 1865, *Anz. Akad. Wiss. Wien* **2** (No. 17) : 112  
*praeceps*, *Tetragonosaurus*, Parks, 1931, *Univ. Toronto Stud.* (Geol. Ser.) **31** : 1—11, pl. 1—3  
*Squilla* Gronovius, 1760, *Acta helv.* **4** : 38  
*Squilla* Gronovius, 1764, *Zoophylac. gronov.* **2** : 232  
*Squilla* Müller (O.F.), 1776, *Zool. dan. Prodr.* : 197  
*Squilla* Scopoli, 1777, *Introd. Hist. nat.* : 405  
*Squilla* Fabricius (O.), 1780, *Fauna groenl.* : 248  
*Squilla* Fabricius (J.C.), 1781, *Spec. Ins.* **1** : 514  
*Tetragonosaurus* Parks, 1931, *Univ. Toronto Stud.* (Geol. Ser.) **31** : 1—11  
*tibeticum*, *Ophicerus*, Griesbach, 1880, *Rec. geol. Surv. Ind.* **13** : 109, pl. 3, fig. 4

13. The present *Direction* is hereby rendered in the name of the International Commission on Zoological Nomenclature by the undersigned Francis Hemming, Secretary to the said Commission, in virtue of all and every the powers conferred upon him in that behalf.

14. The present *Direction* shall be known as *Direction One (1)* of the International Commission on Zoological Nomenclature.

DONE in London, this Ninth day of March, Nineteen Hundred and Fifty-Four.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**